

C
B8637a
1916/17

The University of Buffalo Bulletin

Department of Arts and Sciences

CATALOGUE NUMBER
JANUARY, 1917

BUFFALO

Published January, April, July and September of Each Year

VOL. V, No. 1

ENTERED AS SECOND-CLASS MATTER, MAY 2, 1916, AT THE POST OFFICE
AT BUFFALO, NEW YORK, UNDER THE ACT OF AUGUST 24, 1912

University Statistics, 1916-1917

DEPARTMENT	Founded	Alumni Organized	Number of Faculty	Number of Students	Years in Course	Degrees Conferred	
Medicine	1846	1875	107	206	4	M. D.,	2,875
Pharmacy	1886	1889	13	120	2	Ph. G.,	59
						Phar. B.,	353
						Phar. M.,	21
						Phar. D.,	6
Law	1887	1914	24	147	3	LL. B.,	668
						LL. M.,	12
Dentistry	1892	1900	42	285	3**	D. D. S.,	983
Pedagogy	1895*					Pd. B.,	5
						Pd. M.,	1
						Pd. D.,	2
Analytical Chemistry .	1906	1914	12	57	3	A. C.,	76
Arts and Sciences . .	1913		21	239			
						Ph. D.,	1
						B. S.,	1
		Totals	219	1,054			5,595

*Discontinued in 1898.

**In 1917, a four-year course.

The University of Buffalo Bulletin

Department of Arts
and Sciences

Catalogue Number
JANUARY, 1917

NIAGARA SQUARE
BUFFALO, NEW YORK

CONTENTS

University Calendar	3
Departments, Chancellors and Council	4
Faculty	5
The University of Buffalo	7
Admission	9
Curriculum	11
Courses of Instruction:	
Biology	14
Chemistry	14
Education	16
English	16
French	16
German	17
Greek	18
History	18
Hygiene	19
Italian	19
Latin	20
Mathematics	20
Mechanical Drawing	21
Philosophy	21
Physics	22
General Information	23
Students, 1916-1917	27
Alumni Associations	30
Announcements of the University's Professional Departments	32

University Calendar

1917

FEBRUARY	5, <i>Monday.</i>	Second semester begins.
FEBRUARY	22, <i>Thursday.</i>	University Day recess. Public exercises, 10.30 A. M.; annual dinner, Federated Alumni Association, 7 P. M.
APRIL	5, <i>Thursday.</i>	Spring recess begins.
APRIL	10, <i>Monday.</i>	Classes resumed.
MAY	28, <i>Monday.</i>	Final examinations begin.
JUNE	8, <i>Friday.</i>	Seventy-first Commencement.
SEPTEMBER	17, <i>Monday.</i>	Examinations begin for conditioned students.
SEPTEMBER	24, <i>Monday.</i>	Last day for registration of students and payment of fees. Opening exercises for all departments, 4.30 P. M., Townsend Hall.
SEPTEMBER	25, <i>Tuesday.</i>	First semester begins.
NOVEMBER	6, <i>Tuesday.</i>	Election Day recess.
NOVEMBER	28, <i>Wednesday.</i>	Thanksgiving recess begins, 12.30 P. M.
DECEMBER	3, <i>Monday.</i>	Classes resumed.
DECEMBER	20, <i>Thursday.</i>	Christmas recess begins.

1918

JANUARY	3, <i>Thursday.</i>	Classes resumed.
JANUARY	25, <i>Friday.</i>	Through February 2, Saturday. Semi-annual examinations.
FEBRUARY	4, <i>Monday.</i>	Second semester begins.

The University of Buffalo

DEPARTMENTS

1846 <i>Medicine</i>	1892 <i>Dentistry</i>
1886 <i>Pharmacy</i>	1895-1898 <i>Pedagogy</i>
1891 <i>Law</i>	1913 <i>Arts and Sciences</i>

CHANCELLORS

1846-1874	HIS EXCELLENCY MILLARD FILLMORE
1874-1884	ORSAMUS H. MARSHALL
1884-1895	E. CARLETON SPRAGUE
1895-1902	JAMES O. PUTNAM
1902-1903	WILSON S. BISSELL
1903-1905	GEORGE GORHAM (<i>Acting Chancellor</i>)
1905-1909	CHARLES P. NORTON (<i>Vice-Chancellor</i>)
1909-	CHARLES P. NORTON

THE COUNCIL

	<i>Elected</i>
CHARLES CARY, M. D., 340 Delaware Ave.,	1879
HENRY R. HOWLAND, Society of Natural Sciences,	1901
LOUIS L. BABCOCK, Fidelity Building,	1904
JOHN LORD O'BRIAN, LL. D., Iroquois Building,	1904
JOHN B. OLMSTED, Buffalo Savings Bank Building,	1904
CHARLES P. NORTON (Chancellor), Erie Co. Bank Building,	1905
LORAN L. LEWIS, M. A., Erie Co. Bank Building,	1906
EDWARD MICHAEL, Brisbane Building,	1906
ARTHUR D. BISSELL, Peoples Bank,	1906
WILLIAM H. GRATWICK (Treasurer), Marine Bank Building,	1908
ANDREW V. V. RAYMOND, D. D., LL. D., 268 North Street,	1909
PHILIP BECKER GOETZ (Secretary), 228 Summer Street,	1914
WALTER P. COOKE, Marine Bank Building,	1916
WILLIS G. GREGORY, M. D., Ph. G.,	1890
<i>Member-elect from the Faculty of Pharmacy</i>	
CARLOS C. ALDEN, LL. M., J. D.,	1913
<i>Member-elect from the Faculty of Law</i>	
DANIEL H. SQUIRE, D. D. S.,	1913
<i>Member-elect from the Faculty of Dentistry</i>	
THOMAS H. MCKEE, M. D., F. A. C. S.,	1915
<i>Member-elect from the Faculty of Medicine</i>	
PETER W. VAN PEYMA, M. D.,	1914
<i>Member-elect from the Medical Alumni; term expires 1917</i>	
LOUIS P. FUHRMANN,	
<i>Mayor of the City of Buffalo (ex-officio)</i>	

Officers of Administration and Instruction

CHARLES P. NORTON, Chancellor.

PHILIP BECKER GOETZ, Chairman of the Faculty.

JULIAN PARK, Secretary and Treasurer. *Office, 2 Townsend Hall.*

FACULTY

ALBERT P. SY, M. S., PH. D., <i>Chemistry.</i>	219 Crescent Ave.
M. SMITH THOMAS, A. C., <i>Physics.</i>	771 Bird Ave.
WILFRED H. SHERK, M. A., <i>Mathematics.</i>	367 W. Delavan Ave.
PHILIP BECKER GOETZ, B. A., <i>English and Greek.</i>	228 Summer St.
JULIAN PARK, B. A., <i>History.</i>	77 Richmond Ave.
FELIX ¹ A. CASASSA, <i>French.</i>	130 Mariner St.
WILHELM ONCKEN, <i>German.</i>	314 Highland Ave.
WALTER M. RALPH, B. CHEM., <i>Chemistry.</i>	310 Woodward Ave.
C. LEE SHILLIDAY, PH. B., M. S., <i>Biology.</i>	24 High St.
P. FREDERICK PIPER, B. S., <i>Physics.</i>	851 Richmond Ave.
SUSAN F. CHASE, M. A., PD. D., <i>Philosophy.</i>	11 Ketchum Place.
FRANCESCO E. DI BARTOLO, B. A., <i>Italian.</i>	22 Monticello Place.
PETER ⁷ GOW, JR., B. A., <i>Latin.</i>	51 Colvin St.
CARL WACHTER, B. A., <i>English.</i>	46 N. Pearl St.
WILLIAM V. IRONS, PH. D., <i>Chemistry.</i>	2834 Delaware Ave., Kenmore.
HERMAN G. MATZINGER, M. D., <i>Hygiene.</i>	90 Soldiers Place.
CHARLES A. BENTZ, M. D., <i>Hygiene.</i>	81 Orange St.
ALBERT H. HOPKINS, B. A., <i>Mechanical Drawing.</i>	451 Main St.
MARY H. LEWIS, <i>Education.</i>	113 Summit Ave.
CHARLES E. RHODES, M. A., <i>English.</i>	507 Potomac Ave.
CARL S. McKELLOGG, M. A., <i>Chemistry.</i>	6 Allen St.

JEAN AGNEW, Librarian.

EMMA E. DETERS, Registrar.

LECTURERS, 1916

MME. FRANCES WILSON HUARD, "The Battle of the Marne and After."

CALEB J. COATSWORTH, JR., "American Relief Work in France."

MRS. WILHELM ONCKEN, "Bach's Message for Our Day" (Piano Recital).

MME. FELIX A. CASASSA, "Education in France."

BALDWIN MANN, M. D., "Medicine as a Profession."

DEAN CARLOS C. ALDEN, J. D., "Law as a Profession."

PROF. HENRY A. SILL, PH. D., Cornell University, "The University and the Community."

FRANK H. SEVERANCE, L. H. D., Buffalo Historical Society, "History of the Niagara Frontier" (Four Lectures).

CHARLES E. RHODES, M. A., "Wordsworth and the Lake Country."

S. RALPH HARLOW, Smyrna, Turkey, "Life in Turkey Today."

PROF. GEORGE M. FORBES, LL. D., University of Rochester, "Methods of Teaching and Discipline" (Faculty Lecture).

HON. D. S. ALEXANDER, LL. D., Commencement Orator.

The University of Buffalo

THE University owes its origin to an act of incorporation passed by the Legislature of the State of New York on May 11, 1846. The charter provided that the University should be established as a corporation, with the following named as the original shareholders: Millard Fillmore, Joseph G. Masten, Thomas M. Foote, Isaac Sherman, Gaius B. Rich, Ira A. Blossom, William A. Bird, George W. Clinton, George R. Babcock, Nathan K. Hall, Albert H. Tracy, James S. Wadsworth, George C. White, Aaron D. Patchin, James Hollister.

Later, however, an enabling act of the Legislature cancelled all outstanding stock, so that the University then ceased to be a stock corporation. Section three of the charter provided that the Council of the University should consist of sixteen men and provided that no one religious sect should ever have a majority of the board. Power was granted the University to offer instruction and to confer degrees in any branch of professional or academic learning, and the Council was authorized to organize any departments of the University whenever they thought it expedient.

The seal of the University indicates that the founders had in mind departments of medicine, arts, theology, and law; but each of its respective departments have been added in response to recognized demands for instruction in the various professional branches.

Since, however, the need of facilities for training physicians was especially apparent in this part of the State, the founders of the University established the Medical Department as its first college. Prominent among the active promoters of the University organization were three physicians who attained a national reputation—James P. White, Frank H. Hamilton and Austin Flint. It was forty years before the next department of the University was established, when in 1886 the Department of Pharmacy was founded. In that year the University entered upon a policy of expansion, and the next few years saw the addition of departments of Law (created in 1891), Dentistry (1892), and Pedagogy (created in 1895 but discontinued in 1898).

The control of the University is vested in a Council, consisting of a Chancellor, secretary and treasurer. According to the charter the Council consists of sixteen members chosen at large. In addition, each of the several faculties appoints one member to hold office during the pleasure of the faculty appointing him. The men who have held the position of Chancellor of the University have been without exception men of broad attainments and national reputation. Millard Fillmore, the first Chancellor, held the position for twenty-eight years, during which time he was also President of the United States. He was succeeded by Orsamus H. Marshall, who served from 1874 to 1884. His successor was E. Carleton Sprague, who acted from 1885 to 1895. He was followed by James O. Putnam (ex-minister to Belgium), who served from 1895 to 1902. Wilson S. Bissell (ex-Postmaster General) succeeded Mr. Putnam, but his masterful influence, which promised so much in the direction of university enlargement, was cut off by his untimely death, which occurred in October, 1903. Pending the selection of his successor, George Gorham served until 1905 as Acting Chancellor, in which year Charles P. Norton became Vice-Chancellor and was made Chancellor in 1909.

The work that has been done during the past seventy-one years has been altogether without the aid of any endowment of the University as a whole or of any department thereof, but in the equipment of the institution the citizens of Buffalo have in the past

responded liberally; and there have been many special gifts which are serving a useful purpose. The libraries of the departments have been enriched by the additions of Dr. James P. White's medical library; by the valuable collection left by Dr. George N. Burwell, to which was added a maintenance fund by his sister, Mrs. Esther A. Glenny; by the large library of dental books left by Dr. W. C. Barrett, dean of the Dental Department (1892-1903); and recently by the gift of the medical library formed by the late Dr. Roswell Park, professor of surgery (1883-1914). A fund contributed by thirty-six lawyers forms the nucleus of the present large library of the Law Department. The D. W. Harrington Lectureship Fund provides for special lectures to be given for the benefit of the medical profession; the Boedecker Museum of Comparative Dental Anatomy has been placed in the dental building. Many generous subscriptions on the part of citizens toward the dental and medical buildings, their equipment, and the Gratwick Cancer Laboratory, which for some years formed a part of the University, are also to be noted.

The present property of the University comprises the building on High Street, occupied by the Departments of Medicine and Pharmacy; the adjoining building on Goodrich Street, occupied by the Department of Dentistry; Townsend Hall, on Niagara Square, which at present accommodates the Department of Arts and Sciences; and a tract of 106 acres situated on the highest land in the city, at the junction of North Main Street and the city line. This property, valued at \$300,000, was purchased from the county in 1909, the money being raised by popular subscription, and will constitute the campus for the new College of Arts.

The project of establishing a College of Liberal Arts and Sciences has been before the public for many years. A beginning was finally made in 1913, when the Council authorized instruction in certain courses of college grade, in accordance with which resolution they have been successfully carried on, with considerable additions, for the past four years. In September, 1915, the State Department of Education registered the freshman year as accredited college work, and proposes to take similar action from year to year until the full four years' course is recognized.

Within the last few months several noteworthy gifts have made possible the development of these courses into a permanent college. The first of these gifts came on February 22, 1915, when the Women's Educational and Industrial Union presented its building to the University, conditional on the raising, before February 22, 1916, of \$100,000 toward endowment. On the latter date this condition was complied with, Mrs. Seymour H. Knox giving the necessary amount, as well as pledging \$50,000 for each of the next three years and a final amount of \$250,000 as a bequest. This gift, eventually amounting to \$500,000, is known as the Seymour H. Knox Foundation, to be used for endowment. At the same time a gift from General Edmund Hayes for the first building on the new site was also announced, amounting to \$250,000, conditional on the raising of one million dollars by June, 1919. These gifts, aggregating a greater total than has ever before been given for any educational purpose in Buffalo, finally make possible those adequate facilities for higher education which the city has long lacked.

Admission

All correspondence in matters of admission should be addressed to the Committee on Admissions.

REQUIREMENTS FOR ADMISSION

The Department of Arts and Sciences is non-sectarian and co-educational, and is open to students of not less than sixteen years of age. Candidates for admission must present satisfactory evidence of good character, including a recommendation from the head of the school last attended, and those coming from other colleges must bring certificates of honorable withdrawal, together with an official statement of college work already done. Applications for admission should be filed by candidates as early as possible, or in any case before September 15 of the year in which they wish to enter college. A blank for this purpose is to be secured on request to the Secretary, who, on receipt of the application blank filled out, will send to the principal of the school last attended by the candidate a copy of the Statement Required for Admission. On this blank is to be given a transcript of the candidate's scholastic standing during each of the previous four years. On the receipt of this Statement in satisfactory form depends the matriculation of the candidate.

No matriculation of regular or special* students will be permitted after the week in which college opens.

A fair equivalent of the requirements for admission will be accepted, but candidates for admission are advised to conform literally to the statements as here set forth.

No entrance examinations being held by the University of Buffalo, applicants secure admission by one of the following methods:

(a) **Certification.** Certificates made out on the prescribed form and signed by the principals of accredited secondary schools are accepted in place of examinations for entrance. Only certificates of work done in schools approved by the New York State Department of Education will be accepted. Handbook No. 24 of that department should be consulted for a list of such schools in this State.

(b) **Regents' Examinations.** Those not holding the school diplomas of graduation may make up deficiencies and secure the necessary 15 units' credit by passing Regents' examinations in January or June in those subjects which they lack. It should be borne in mind that the September examinations are only for those desiring qualifying certificates admitting them to professional schools.

(c) **College Entrance Examination Board.** An application to take these examinations must be made to the secretary of the Board, 431 West 117th St., New York City, from whom all necessary information may be obtained. These examinations are held annually at a large number of widely-distributed points, including Buffalo; in 1917 they are held from June 18-23.

ENTRANCE REQUIREMENTS

For students expecting to be candidates for the B. A. or B. S. degree a total of 15 units is required. A unit is the equivalent of five recitations a week for one year in one branch of study. Two hours of laboratory work count as one hour.

*For rules governing the admission of special students, see page 24.

The subjects and units required for admission to each course are as follows:

B. A. COURSE.*		B. S. COURSE.	
English	3	English	3
Algebra: Elementary	1	Algebra: Elementary	1
Intermediate	$\frac{1}{2}$	Intermediate	$\frac{1}{2}$
Plane Geometry	1	Plane Geometry	1
History	1	History	1
Either 4 years of Latin,	4	3 years of French or German or	
and 2 years of French or Italian or		Spanish or Italian or Latin . . .	3
German or Spanish or Greek . . .	2	[Or, 2 years of any two languages .	4]
[Or 3 years of Latin	3	Physics or Chemistry	1
and 3 years of French or Italian or		Additional Science	1
German or Spanish or Greek . . .	3]	Elective	$2\frac{1}{2}$ - $3\frac{1}{2}$
Science	1		
Elective	$1\frac{1}{2}$		
	15		15

Conditions. No candidate is eligible for admission as a regular student who presents fewer than 14 units of work. All conditions must be removed before a certificate for the year's work will be granted.

(1) **English.** By three units in English is understood four years of work completed in that subject; the usual school course allowing only three hours per week in the upper years.

(2) **Mathematics.** One year of algebra is insufficient. Intermediate algebra (quadratics and beyond) should, if possible, come in the last year of the school course.

(3) **Languages.** While three units of Latin are accepted for the B. A. course, the faculty strongly recommends that four be offered. In no language are fewer than two units accepted for either the B. A. or the B. S. course.

(4) **History.** For either course a choice of history is offered; candidates may present either (a) ancient history to 800 A. D.; (b) medieval and modern; (c) English; (d) American, with civics.

(5) **Science.** Candidates for the B. A. course may offer for their prescribed unit advanced botany, advanced zoology, physical geography, biology, chemistry or physics. For the additional science in the B. S. course, they may offer advanced botany, advanced zoology, biology, chemistry, physics, or physical geography.

(6) **Electives.** Candidates for the B. A. course must present $1\frac{1}{2}$ units in elective subjects, distributed among the following: Third year of a language, advanced algebra, solid geometry, trigonometry, any subject not already chosen from among those mentioned in (5), or other electives, information regarding the acceptance of which may be secured directly from the committee on admissions. Since candidates for the B. S. course must offer among their science credits either physics or chemistry, or both, or either physics or chemistry together with another science, their elective subjects may be chosen from: a third or fourth year of a language, a third science, advanced algebra, solid geometry, trigonometry, history, drawing, shopwork, advanced bookkeeping, or shorthand 2 (in no case to exceed one unit of any subject).

*Translated in terms of units instead of counts, these requirements are practically the same as those included in the New York State college entrance diploma in arts.

PRE-MEDICAL COURSE

A *two-year course* is offered by this college which meets the requirement exacted of those intending to enter upon the study of medicine at the University of Buffalo. For information regarding the curriculum of this course, see page 12.

The subjects for which credits for admission to the pre-medical course may be accepted are shown in the accompanying schedule, prepared by a joint committee of the Council on Medical Education of the American Medical Association and the Association of American Medical Colleges.

SUBJECTS	Units	Required	Elective
ENGLISH LITERATURE AND COMPOSITION	3-4	3	1
Mathematics:			
ELEMENTARY ALGEBRA	1	1	..
Advanced Algebra	1/2-1	..	1/2-1
PLANE GEOMETRY	1	1	..
Solid Geometry	1/2	..	1/2
Trigonometry	1/2	..	1/2
LATIN	1-4	*	1-4
Greek	1-3	*	1-3
FRENCH	1-4	2*	1-4
GERMAN	1-4	2*	1-4
Other Foreign Language	2	..	2
History:			
Ancient	1	**	1
Medieval and Modern	1	**	1
English	1	**	1
American, with Civics	1	**	1
Science:†			
Botany	1/2-1	..	1/2-1
Zoölogy	1/2-1	..	1/2-1
Chemistry	1	..	1
Physics	1	..	1
Physical Geography	1/2-1	..	1/2-1
Physiology	1/2-1	..	1/2-1
Astronomy	1/2	..	1/2
Geology	1/2-1
Agriculture	1-2	..	1-2
Bookkeeping	1	..	1
Business Law	1/2	..	1/2
Commercial Geography	1/2-1	..	1/2-1
Domestic Science	1-2	..	1-2
Drawing—Freehand and Mechanical	1/2-2	..	1/2-2
Economics and Economic History	1/2-1	..	1/2-1
Manual Training	1-2	..	1-2
Music—Appreciation or Harmony	1-2	..	1-2

The subjects in capitals, aggregating 8 units, are required. Other work to the amount of 7 units may be made up from any of the other subjects of the above schedule.

Conditions. Pre-medical students may carry conditions not to exceed one unit, such conditions to be removed by the end of the freshman (arts) year. The Medical Department of the University of Buffalo allows no conditions to be carried over from the work of the pre-medical course.

*Two units of Greek or Latin may be substituted for the two required units of French or German.

**One unit of history and civics prescribed.

†Credentials of each science course must include evidence of laboratory work.

Curriculum

The curriculum, so far as arranged, provides in general for a continuation, in the Freshman year, of the subjects previously taken, no electives being permitted. In the next two years more latitude is allowed, the third year being altogether made up of electives.

Inquiries have been made as to the requirements for graduation. They cannot be announced until the college has definitely been placed on a degree-giving basis. Plans are, however, being rapidly matured to this end. A curriculum has been carefully determined for the Freshman and Sophomore years of both courses, subjects for others being arranged with a view either to meeting the requirements of any other college to which they may wish to be transferred or to supplying their individual needs and helping them to take up their lifework better equipped.

FRESHMAN YEAR

Candidates for the B. A. degree must take:		Candidates for the B. S. degree must take:	
	Hours		Hours
English 1	3	English 1	3
Mathematics 2-3	4	Mathematics 2-3	4
Latin 1	3	French*	3
French*	3	German*	3
German*	3	Biology 1	4
Hygiene (1st semester) and English 21 (2d semester)	1	Hygiene (1st semester) and English 6 (2d semester)	1
	<hr/> 17		<hr/> 18

*If the student offers French for entrance, he takes in college French 2 or 3 and German 1; if he offers German, he takes German 2 or 3 and French 1; if he offers Italian, he continues it and has his choice of beginning either French or German.

SOPHOMORE YEAR

B. A. COURSE		B. S. COURSE	
	Hours		Hours
History 1 or 2	3	Chemistry 1	4
Chemistry 1, Biology 1 or Physics 1	4	Physics 1	4
French or German*	3	French*	3
Latin 2	3	German*	3
Elective	2-3-4	Elective	2-3-4
	<hr/> 15-17		<hr/> 16-18

*Continuation of the language taken in Freshman year.

PRE-MEDICAL CURRICULUM

FRESHMAN YEAR		SOPHOMORE YEAR	
	Hours		Hours
English 1	3	Chemistry 2	4
French or German*	3	French or German**	3
Physics 1	4	Other subjects as prescribed by the American Medical Association	9-11
Biology 1	4		<hr/> 16-18
Chemistry 1	4		
Hygiene and English 6	1		
	<hr/> 19		

*Continuation of the language taken in preparatory school; if the student presents no modern language for entrance, he has his choice of beginning French or German.

**Continuation of the language taken in Freshman year.

CERTIFICATE OF MATRICULATION

Before the first recitation of the year the Secretary will deliver to each applicant for admission who has been accepted a certificate of matriculation, with a memorandum of the conditions, if any, that have been recorded against the applicant. The newly-admitted students must be ready to show their certificates of admission to each of their instructors at the first appointment after the first Monday of the college year.

ATTENDANCE, MARKS AND CONDITIONS

A minimum of 90 per cent. attendance in every course during each semester is necessary to entitle a student to take the mid-year and final examinations.

The marks in each subject are calculated on a scale of 100 per cent., the passing mark in each subject being 75 per cent. All absences incurred have the effect of reducing the student's final mark by one-half of the percentage of the absences. In other words, absences amounting to 10 per cent. of the total number of exercises in any course deduct 5 per cent. from the final mark. All absences incurred during the day immediately before or following any vacation count double.

The year mark in each subject is the average of the marks for the first and second semesters. The grade system of marking which is in use is defined as follows:

"A" (high distinction; given to the few whose work may be considered as approximately the best that can be expected of any student), 95-100.

"B" (superior work, plainly above the average), 90-94.

"C" (average work), 80-89.

"D" (below average but above passing), 75-79.

"E" (below passing mark; a conditional failure), 60-74.

"F" (failure), below 60.

A student failing to obtain a grade as high as "D" may take a make-up examination in September, failing to pass which he must, if the course is required, repeat it the following year.

Exemptions from final examinations are granted to those students in full courses who maintain grades of "A" or "B"; but all students are required to take the mid-year examinations. The exemptions are announced at the last recitation before the final examinations.

A report of scholarship is sent to every student's parents or guardian at the close of each semester and at such other times as the faculty may deem expedient. At the middle of each semester warnings are sent to those students whose standing in any subject warrants doubt as to their ability to secure credit therefor.

Courses of Instruction, 1916-1917*

(Alphabetically Arranged)

BIOLOGY

BIOLOGY 1. *General Biology.* The purpose of this course is twofold—this double purpose being based upon the cultural and the practical value of biological training.

An effort will be made to lead the student to an understanding of the influence of present-day biological theories and facts upon modern thought and activities. From the practical side, the theoretical considerations and accepted facts will be demonstrated by their application to the solution of practical economic and civic problems.

Special emphasis is placed upon the comparative study of structures and functions in the various type-forms studied. From these, general applications to living organisms are made. The idea of all life being related, is constantly kept in mind, and all facts gained are correlated with the structure and functions of the human mechanism.

Of the low forms of plant life studied, only such types are taken as are of practical economic and biological importance, such as some common bacteria, yeast, molds, and algae. The type-forms of animals studied will be representative of the main groups of the animal kingdom.

Considerable microscopical work will be done, and at the outset the student is given instruction in the laboratory in the use and care of the microscope. During the progress of the work, such simple methods of laboratory technique are introduced as the student is able to perform.

The laboratory and class work will be supplemented by lectures upon some of the broader and generalized conceptions of biology. In addition to this, occasional reports will be presented by members of the class upon topics of current interest, reviews of articles in the scientific periodicals, and reference works. Considerable library work will be done.

Each student will provide himself with the necessary text-books, instruments and materials.

Two recitations (or lectures) and two laboratory sessions of two hours each, per week, throughout the year. Required of science and pre-medical Freshmen.

BIOLOGY 2. *Histology.* For an outline of the course, consult the medical catalogue. Prerequisite: Biology 1 or its equivalent.

Two recitations (or lectures) and one laboratory session of three hours, per week, throughout the year.

MR. SHILLIDAY.

CHEMISTRY

CHEMISTRY 1. *Inorganic.* The amount and character of the work required in this subject is of the usual first year college grade. No previous knowledge of chemistry is required, but those who have already studied the subject in high school or elsewhere will be given an opportunity to do advanced work.

Lectures, recitations and quizzes.

Text-book: Newell's *Inorganic Chemistry for Colleges.*

Two recitations a week throughout the year. Required of pre-medical Freshmen.

PROFESSOR SY.

*The announcement of courses offered for 1917-1918 will be issued in May.

CHEMISTRY 1a. *Laboratory.* Each student is assigned to a desk in the laboratory and is required to spend at least four hours a week at work there. The entire first term and a part of the second are devoted to experiments in general inorganic chemistry, including the preparation of some typical inorganic compounds. The latter part of the second term is given to elementary qualitative analysis, beginning with a study of the reactions of the various metallic elements and the compounds used in their detection, and following this by the practical application of the knowledge thus gained to the detection of the metallic ions in various "unknown" solutions. Advanced work for those who have had laboratory experience will include qualitative, quantitative and spectroscopic analysis.

Text-book: Ransom's Experimental General Chemistry.

Two laboratory periods of two hours each, each week throughout the year.

MR. McKELLOGG.

covering fully the
batic and aromatic
and carbohydrates.

lical Sophomores.

ie of the character-
pical organic com-

term.

MR. RALPH.

udent is given a
ording to the usual

ork. A thorough
is own volumetric
to be met in the

ROFESSOR SY.

conferences on
the gravi-metric
nd radicals, also

ing the year.

ESSOR IRONS.

JUL 2 1960 Form to accompany each serial volume
sent to Binding Department

Call no.

Volume has been collated

Missing items ordered but not available

No report on missing items received by Acquisition

Missing items not ordered because their availability
or importance doubtful

Volume is complete

Missing items:

1917/18, 1922/23-1926/27, 1931/32,
1935/36-1936/37, 1942/43-1943/44,
1946/47

Signed:
L206-F

3

Dept. or Library:

BOOKSTACK

CHE
chemist
series.
Text
Thre

CHE
istic org
pounds
Pre
Two

CHEM
training
schemas.
Text-
Three
(B).
drill in th
solutions
work of a
Text-
Two h

CHEM
principles
methods f
the compl
Text-b
One re

Courses of Instruction, 1916-1917*

(Alphabetically Arranged)

BIOLOGY

BIOLOGY 1. *General Biology.* The purpose being based upon the cultural

An effort will be made to lead the present-day biological theories and facts to the practical side, the theoretical considerations, and their application to the solution of problems.

Special emphasis is placed upon the study of the various type-forms studied. Functions of the organs are made. The idea of all life being derived from a common ancestor is gained are correlated with the structure of the organisms.

Of the low forms of plant life studied are the economic and biological importance, the structure and function of the algae. The type-forms of animals studied are the animal kingdom.

Considerable microscopical work will be done in the laboratory in the use of the microscope. The student will be able to perform.

The laboratory and class work will be made to give the student a broader and generalized conceptions of the subject. The student will be presented by members of the class and by the instructor, the scientific periodicals, and references.

Each student will provide himself with the necessary materials.

Two recitations (or lectures) and two quizzes a week throughout the year. Required of science students.

BIOLOGY 2. *Histology.* For an

Prerequisite: Biology 1 or its equivalent.

Two recitations (or lectures) and one quiz a week throughout the year.

CHEMISTRY

CHEMISTRY 1. *Inorganic.* The subject is of the usual first year college level. It is required, but those who have already studied the subject in high school or elsewhere will be given an opportunity to do advanced work.

Lectures, recitations and quizzes.

Text-book: Newell's *Inorganic Chemistry for Colleges.*

Two recitations a week throughout the year. Required of pre-medical Freshmen.

PROFESSOR SY.

*The announcement of courses offered for 1917-1918 will be issued in May.

CHEMISTRY 1a. *Laboratory.* Each student is assigned to a desk in the laboratory and is required to spend at least four hours a week at work there. The entire first term and a part of the second are devoted to experiments in general inorganic chemistry, including the preparation of some typical inorganic compounds. The latter part of the second term is given to elementary qualitative analysis, beginning with a study of the reactions of the various metallic elements and the compounds used in their detection, and following this by the practical application of the knowledge thus gained to the detection of the metallic ions in various "unknown" solutions. Advanced work for those who have had laboratory experience will include qualitative, quantitative and spectroscopic analysis.

Text-book: Ransom's Experimental General Chemistry.

Two laboratory periods of two hours each, each week throughout the year.

MR. MCKELLOGG.

CHEMISTRY 2. *Organic.* A course of lectures and recitations, covering fully the chemistry of the hydrocarbons and their derivatives, both of the aliphatic and aromatic series. Special attention is given to the chemistry of the fats, proteins and carbohydrates.

Text-book: Haskin's Organic Chemistry.

Three recitations each week throughout the year. Required of pre-medical Sophomores.

CHEMISTRY 2a. *Laboratory.* The work consists of a study of some of the characteristic organic transformations, and the preparation of some of the typical organic compounds together with the reactions for their detection.

Prerequisite: Chemistry 1.

Two laboratory periods of three hours each per week during the third term.

MR. RALPH.

CHEMISTRY 3. (A). *Qualitative Analysis.* In this work the student is given a training in the detection of the metallic elements and acid radicals according to the usual schemes.

Text-book: Professor Sy's Notes on Qualitative Analysis.

Three sessions of two hours each weekly during the first semester.

(B). *Volumetric Analysis.* Recitations, lectures and laboratory work. A thorough drill in the various subdivisions of the subject. Each student makes his own volumetric solutions and uses them in the analysis of such substances as are likely to be met in the work of an analytical chemist.

Text-book: Schimpf's Essentials of Volumetric Analysis.

Two hours a week throughout the year.

PROFESSOR SY.

CHEMISTRY 4. *Quantitative Analysis.* Lectures, recitations, and conferences on principles and methods of quantitative analysis. Work is begun by the gravi-metric methods for the determination of the commonly occurring elements and radicals, also the complete analysis of various minerals.

Text-book: Cummings and Kay, Quantitative Analysis.

One recitation each week and six hours' laboratory work each week during the year.

ASSISTANT PROFESSOR IRONS.

EDUCATION

EDUCATION 1. *Aims and Methods.* This course will endeavor to meet the needs of teachers of the elementary school, with emphasis laid upon work in the primary grades. It will treat of the theory and practice of teaching in the modern school.

Two hours a week throughout the year.

EDUCATION 2. *Theory and Practice of Teaching.*

Two hours a week during the second semester.

MISS LEWIS.

ENGLISH

ENGLISH 1. *Rhetoric, Composition, and the History of English Literature.* Constant drill in theme-writing.

Text-books: Wendell's English Composition; Moody and Lovett's English Literature; English prose models.

Three hours a week throughout the year. Required of all Freshmen.

MR. GOETZ, MR. RHODES.

ENGLISH 2. *Shakspeare.* Rapid reading of all the plays, with careful study of Macbeth, King Lear and Hamlet.

One hour a week throughout the year. (Half-course; omitted 1916-1917.)

ENGLISH 3. *Greater English Poets of the Nineteenth Century.* Wordsworth, Keats, Shelley, Byron, Tennyson, Browning. Conferences, themes, collateral reading.

One hour a week throughout the year. (Half-course; omitted 1916-1917.)

ENGLISH 4. *The Essay in the Eighteenth Century.* Conferences, themes and collateral reading.

One hour a week throughout the year. (Half-course.)

ENGLISH 5. *English Composition.* This course in advanced composition is especially designed for those who have done distinguished work in English 1.

One hour a week throughout the year. (Half-course.)

ENGLISH 6. *Scientific Terminology.* The object of this course is to familiarize students with the derivation and composition of the commoner scientific terms.

One hour a week during the second semester. Required of science Freshmen and of pre-medical students.

MR. GOETZ.

ENGLISH 20. *Public Speaking and Debating.*

This course includes a study of the principles of oral expression through platform interpretation of passages from great orations, together with practice in the preparation and delivery of brief, original addresses.

Two hours a week throughout the year.

ENGLISH 21. *An elementary course in public speaking;* introductory to the work of English 20.

One hour a week throughout the second semester. Required of arts Freshmen.

MR. WACHTER.

FRENCH

The courses in French are conducted largely according to the Direct Method, French being almost entirely the language of the classroom.

FRENCH 1. (*Elementary.*) Study of vowel sounds and diphthongs, careful drill in pronunciation. Elements of grammar; parts of speech, regular formations of feminine plural of nouns and adjectives; rules of agreement of adjectives and participles; regular formations of adverbs from adjectives; comparative, superlative (including irregular forms of adjectives and adverbs). Regular verbs. Formation of tenses, use of the most common tenses. Auxiliary verbs. Most common irregular verbs. From the beginning of the course: reading of easy texts, conversation on the texts read, reproduction from memory of the texts read; translations in both languages, dictations, easy compositions.

Three hours a week throughout the year.

FRENCH 2. (*Intermediate.*) Irregularities in formations of feminine and plural nouns and adjectives. Nouns with two genders. Adjectives with two meanings according to position. Irregular formation of adverbs from adjectives. Use of the most difficult tenses. Study of all irregular verbs. Reading of standard and scientific texts. Conversation and developments on texts read. Reproduction of texts read. Dictations, more advanced composition.

Three hours a week throughout the year.

FRENCH 3. *Introduction to the study of French literature.* Origins of the French language; troubadours and trouvères; the middle ages; the Renaissance; pamphleteers. The seventeenth century; the *précieuses*; letter-writers; the drama; philosophers; preachers. The eighteenth century; the encyclopedists; development of the drama; beginnings of the modern novel. The nineteenth century; romanticism, classicism and naturalism; evolution of the drama; growth of modern philosophy; the contemporary novel, short story, and poetry.

Prerequisite: French 2 or its equivalent.

Two hours a week throughout the year.

MR. CASASSA.

GERMAN

GERMAN 1. (*Elementary.*) This course seeks to lay the foundation for the colloquial use of the language by imparting a familiar knowledge of grammatical forms, by the reading aloud of German texts both by instructor and student, and by oral exercises based on the reading of the day. Exercises conducted mostly in German.

Text-book: Bagster-Collins' First Book in German; Bacon's Im Vaterland.

Three hours a week throughout the year.

GERMAN 2. (*Intermediate.*) Oral practice and written exercises based on selections of German prose and poetry (the latter including the poems required by the University of the State of New York for the second and third years of German).

Reading of German essays on subjects in natural science. Attention is called to, and exercises are given throughout this reading in word-composition and on the participated construction in scientific prose writing.

Text-books: Keller's Second Year in German; Gore's German Science Reader.

Three hours a week throughout the year.

GERMAN 3. *Introduction to the study of German literature.* Informal talks in German about the main movements and products of the national literature, supplemented by

assigned readings and quizzes. Through a critical study of representative masterpieces and supplementary readings the student is introduced to the whole range of the literature and furnished some knowledge of the notable movements in it.

Prerequisite: German 2 or its equivalent; those who can satisfy the instructor as to their ability to understand continued German discourse will also be admitted.

Three hours a week throughout the year.

GERMAN 4. *Continuation of German 3.* During this year the works to be studied are chosen from Goethe, Schiller, Kleist, Heine, Eichendorff, Grillparzer, Hauptmann, and Sudermann.

Prerequisite: German 3 or its equivalent.

Two hours a week throughout the year.

German 3 and 4 provide a good opportunity to students desiring to develop the power of conversation in the German language.

MR. ONCKEN.

GREEK

GREEK 1. (*Elementary.*) This course for beginners aims to develop the power to read simple Attic prose at sight.

Candidates who offer Greek for entrance may not count this course toward a degree.

Three hours a week throughout the year.

MR. GOETZ.

HISTORY

HISTORY 1. *European history from 1789 up to the present war.* The work begins with a somewhat detailed study of the French Revolution and the Napoleonic Empire; the course of the movement, its causes and results, are studied in relation to the principal states of Europe. The history of Europe from 1815 to 1848 is summarized, and from 1848 to 1914 the treatment is as detailed as time will allow, emphasizing among other topics the unification of Italy and Germany, the foundation and development of the Third French Republic, political changes in England, and present status and groupings of the powers.

Text-books, lectures and quizzes, and reports on assigned topics.

Three hours a week throughout the year.

HISTORY 2. *History of the United States, 1740-1865.* This course deals with the formation of the United States, tracing in the first semester the course of the Revolution, the creation of a federal government, and the establishment of an independent federal policy; in the second semester, the rise of Northern and Southern sectional antagonism, culminating in the Civil War and the triumph of the Union.

The methods comprise a text-book, lectures, parallel reading, reports on assigned topics, and written tests.

Three hours a week during the year. (Omitted 1916-1917.)

HISTORY 3. *History of the United States, 1865-1912.* A continuation of History 2, especially emphasizing political and economic evolution and foreign relations.

Prerequisite: History 2 or its equivalent.

Three hours a week during the first semester.

HISTORY 4. *Latin-American History and Conditions.* Special attention is given to the Spanish colonial system; the wars for liberation, with biographies of the leaders; a synopsis of the later political and economic development of the republics, and present conditions and opportunities.

Text-books, collateral reading, lectures.

Two hours a week during the second semester.

HISTORY 10. *Regional History.* Lectures, collateral reading, and reports on the history of the Niagara frontier from the days of the French explorations to the present generation.

One hour a week during the first semester.

MR. PARK.

HYGIENE

The course in hygiene is divided into two parts, the first half of the semester's lectures covering general and personal hygiene, the second half taking up mental hygiene. The lectures of each half supplement each other. Parallel reading is assigned and the final examination covers both the lectures and the outside reading.

(a) *General Hygiene.* Hygiene of infancy and childhood; exercise and clothing; foods, including beverages and condiments; communicable diseases and their prevention; school hygiene; physical training and medical gymnastics; school-life and its relation to puberty; open air schools; medical examination of school teachers.

DR. BENTZ.

(b) *Mental Hygiene.* The second half takes up a group of subjects which have to do with the need and the methods of mental adjustment of the individual to his environment, as well as to his natural mental equipment. The lectures will be adapted to the requirements of the students taking the course and will cover in a broad way such matters as hereditary and racial mental trends, possibilities and limitations of development, conservation and prevention of failure, and mental disorders.

One hour a week throughout the first semester. Required of all Freshmen.

DR. MATZINGER.

ITALIAN

The courses in this subject aim to give the student (1) an accurate knowledge of the language as it is written and spoken at the present time; (2) an appreciation of the more important masterpieces of the literature, proportionate to the knowledge of the language; and (3) a knowledge of the historical development of the literature, with an insight into the life and thought of the Italian people. Much stress is laid from the beginning upon the ability of the student to express himself directly in the language. With this end in view, the work of the classroom is conducted almost entirely in Italian; phonetic methods are employed in order to give accuracy of pronunciation, and the retention of new words is aided by means of object lessons and the association of ideas.

ITALIAN 1. (*Elementary.*) Fundamental principles of grammar and phonetics, with close attention to pronunciation and expression. Composition and oral drills are continued throughout the year, alternated with reading of simple texts, dictation, simple conversation, and memorizing of short extracts.

Text-books: Grandgent's Grammar and Composition; Wilkins' Notes on Italian Grammar; Bowen's Reader; Manzoni's *I Promessi Sposi*.

Three hours a week throughout the year.

ITALIAN 2. (*Intermediate*.) Review and continuation of the study of grammar; reading and critical study of modern and classical authors; composition and conversation based upon the texts read; lectures, collateral reading, reports on assigned topics, letter-writing.

Prerequisite: Italian 1 or its equivalent.

Two hours a week throughout the year.

ITALIAN 3. *History of Italian literature.* A series of lectures (delivered in English) to include in outline the whole range of Italian literature from the close of the middle ages to modern times. Elements of Italian civilization and literature; origin of Italian language; Dante, Petrarch, Boccaccio; the Renaissance in literature and in art; fifteenth century chivalry; Boiardo, Ariosto, Tasso, Machiavelli, Galileo; the Arcadian poets; Filicaia, Metastasio; the development of the drama; Alfieri, Goldoni; the revived classicism of the nineteenth century; Monti, Foscolo, Manzoni, Leopardi; compositions in the period of the revolution; principal contemporary writers.

Lectures, reports, collateral readings.

One hour a week throughout the year.

MR. DI BARTOLO.

LATIN

LATIN 1. Reading at sight, selections from Cicero (*De Senectute*), Livy, Tacitus, Vergil, Ovid, Horace (Odes). This course is designed for those who have completed the usual four years' work in secondary schools. Ability to read at sight will be the primary object.

Three hours a week throughout the year. Required of arts Freshmen.

LATIN 2. Horace (Satires, Epistles), Tacitus, Roman comedy; history of Roman civilization and literature.

Three hours a week throughout the year. Required of arts Sophomores.

MR. GOW.

MATHEMATICS

MATHEMATICS 1. *Solid Geometry.* The work in this course is planned for special students and for students who do not offer the subject for entrance.

Two hours a week throughout the year.

MATHEMATICS 2. *Algebra and Trigonometry.* A rapid review of elementary algebra, graphics, series, logarithms, permutations and combinations, trigonometric functions, formulæ, identities, equations, general values of angles, inverse trigonometric functions, with solutions of triangles and applications.

Text-books: Fite's College Algebra, Ashton and Marsh's Trigonometry.

Four hours a week during the first semester.

MATHEMATICS 3. *Plane Analytic Geometry.* The straight line, the circle, transformation of co-ordinates, conic sections, tangents, normals, and a brief introduction to solid analytic geometry. The object of the course is to develop a correct notion of the analytic method and to lay the foundation for subsequent work in higher analysis.

Text-book: Smith and Gale's *New Analytic Geometry.*

Four hours a week during the second semester.

Courses 2 and 3 are required of arts and science Freshmen.

MATHEMATICS 4. *Advanced work in Plane Analytic Geometry; Solid Analytic Geometry.* A continuation of Mathematics 3. In Solid Analytic Geometry the topics studied are the plane, the straight line, the sphere, cylinders, cones, surfaces of revolution, transformation of co-ordinates, spherical and cylindrical co-ordinates, quadric surfaces, and ruled surfaces.

Two hours a week throughout the year.

MATHEMATICS 5. *Calculus: differential and integral.* Theory of limits, derivations of algebraic functions with applications, anti-derivatives of simple algebraic functions, differentials, derivatives of transcendental functions, successive differentiation and integration, definite integrals and applications to geometry and mechanics, special methods of integration, functions of two or more variables, multiple integrals, infinite series, approximate integration.

Text-book: Townsend and Goodenough's *Essentials of Calculus.*

Course 4 should either precede or parallel this course. Courses 2 and 3 are prerequisite.

Three hours a week throughout the year.

MATHEMATICS 6. *College Algebra; Theory of Equations.* During the year 1915-1916 the class, which consisted almost wholly of teachers, read completely Rietz and Crathorne's *College Algebra*, and listened to lectures based on topics selected from Burnside and Panton's *Theory of Equations* and Dickson's *Theory of Equations*. Methods of teaching were discussed, both by the instructor and by members of the class.

Two hours a week throughout the year.

MR. SHERK.

MECHANICAL DRAWING

Examples for practice in the use of instruments and problems in geometrical constructions, conic sections, and orthographic projection. Problems in orthographic, isometric, and oblique projection, development and intersection of surfaces; spirals, helices, screw-threads and bolt-heads.

Text-book: Anthony's *Mechanical Drawing.*

Two periods of two hours each, weekly, throughout the year.

MR. HOPKINS.

PHILOSOPHY

PHILOSOPHY 1. *Principles of Psychology.* The aim of this course is to present the chief facts and principles of psychology in such a way as to render them of vital significance and helpfulness to the student. Special attention will be given to such topics as utilization of instinctive tendencies, sense training and learning through observation, motor

activity and learning through doing, thought process and training to reason, the development of skill, the formation of character. To make the course practical, problems studied will be applied to sociological conditions.

Methods used are informal lectures, recitations and discussions based on text; outlines, charts, exercises and simple experiments supplementing text work; selected collateral reading with reports.

Two hours a week throughout the year.

DR. CHASE.

PHYSICS

PHYSICS 1. (a) *Mechanics*. Motion, force, gravitation, the pendulum, work, energy, the lever, the pulley, the wheel and axle, the inclined plane, the wedge, the screw, hydraulic pressure, friction, states of matter, surface tension, capillarity, the barometer, the siphon, pumps, buoyancy and specific gravity.

(b) *Sound*. Vibratory motion, wave motion, sound origin, sound transmission, sound velocity, resonance, interference, intensity, pitch, timbre, string vibration, wind instruments.

(c) *Light*. Origin, transmission, intensity, reflection, refraction, deviation, dispersion, color, spectra, interference, diffraction, plane mirrors, spherical mirrors, lenses, optical instruments.

(d) *Heat*. Temperature, thermometers, expansion, heat energy, steam engine, gas engine, measurement of heat, transmission, change of state.

(e) *Electricity*. Frictional electricity, magnetism, batteries, galvanometers, resistance, current induction, chemical effects, magnetic effects, heat effects, the electric bell, the telegraph, the dynamo, the motor, the telephone, the incandescent lamp, the arc lamp, Röntgen rays and wireless telegraph.

Text-book: Carhart's College Physics.

Two recitations and two laboratory exercises of two hours each, weekly, throughout the year. Required of pre-medical Freshmen.

MR. THOMAS; MR. PIPER, MR. MCKELLOGG.

General Information

ORDER AND DISCIPLINE

It is the aim of the college to develop in the individual student the sense of personal responsibility for good order and a high standard of scholarship, and to secure, in the largest measure, his co-operation with the faculty in the development of his own character. But if such co-operation is plainly impossible, a student may be dismissed or suspended from college at any time, even without previous warning.

Under authority of the faculty, the Secretary has charge of student discipline.

TOWNSEND HALL LIBRARY, ETC.

For the present the work of the college is carried on—with the exception of chemistry, for which the Medical Building laboratories are used—in Townsend Hall, where formerly the Women's Educational and Industrial Union successfully organized many valuable activities along educational lines; and the building is admirably adapted for class-room purposes, the University having adequately equipped the rooms with the necessary furniture and with laboratory facilities. Much of the furnishing of the building, as well as the structure itself, the University owes to the generosity of the Women's Union.

A reference library, now consisting of several thousand volumes, has been begun and is accommodated in the Ripley Memorial Library room. Students have direct access to all books, the library being open from 9 A. M. to 5.30 P. M. on every weekday during the college year and during vacations at stated hours. A card catalogue covers the collection. Books of a general nature, not in use by any class, may be drawn by students, three volumes at a time, to be retained for two weeks, with the privilege of one renewal. Monthly or quarterly periodicals may be drawn for one week, weeklies for two days. In addition to the college library are those of the other departments of the University. The libraries of the Medical and Law departments, amounting respectively to 13,000 and 5,000 volumes, contain considerable material of value to those pursuing certain kinds of college work. Moreover, the resources of the Buffalo Public Library (346,000 volumes) and the Grosvenor (reference) Library (110,000 volumes), are at the disposal of students, the building of the former being but three blocks distant from Townsend Hall.

The University is a member of the Buffalo Educational Union, which includes, besides these two libraries, the Society of Natural Sciences, the Historical Society, and the Fine Arts Academy. Each member of the Union offers peculiar advantages to University students. Lecturers from the Historical Society and the Society of Natural Sciences have this year delivered public lectures at the college, a co-operation which attracted large audiences.

LECTURES AND ASSEMBLIES

No compulsory religious exercises are held by or at the University. Many churches, however, conduct Bible classes especially for students of the various denominations. There is a weekly assembly of students conducted by members of the faculty, and outside speakers also deliver brief addresses at these meetings.

Two courses of Monday afternoon extension lectures are held during the fall and winter terms, some of the speakers in which are professors at other universities. They are attended by both undergraduates and the public, and the general response seems to be such as to justify the University in permanently establishing these free lectures as a means of increasing its service and usefulness to the community.

SCHEDULE OF EXPENSES

Every student on entering the college is required to pay a matriculation fee of \$5, which is not returnable. This fee is payable only once during the student's connection with the college and is not required of students transferring from another institution if evidence is submitted that such a fee was paid in the former institution.

All fees for instruction and other items, shown in the following table, are payable in advance on or before the first day of each semester. In case payment is not made within two weeks the student is suspended until he is no longer in arrears.

Matriculation	\$5.00
Tuition fee for all regular students (those carrying from 15-18 hours weekly) and for special students carrying 9 hours or more, each semester	50.00
Athletic fee (required of all regular students) each year	5.00
Breakage deposit (required of all students carrying 9 hours or more and of all students carrying any science)	5.00
Laboratory fees for each course in:	
Chemistry	15.00
Physics	10.00
Biology	10.00
Lockers are rented for—yearly50

FEES AND REGULATIONS GOVERNING SPECIAL STUDENTS

Special students are those taking less than 15 hours of work weekly. The fee is \$5 for each hour of instruction per week, with a minimum fee of \$10; that is, for a course (such as English 1) occurring three hours a week, the fee would be \$15 a year; for a course such as Psychology it would be \$10. In case, however, special students take work aggregating from 9 to 14 hours, inclusive, weekly, their tuition amounts to the same as that paid by regular students. For a semester course the charges are half those for a year course, but the minimum fee remains \$10.

Special students may be received into any one or more courses (1) provided they satisfy the entrance qualifications required of regular students, or (2) after personal consultation with the instructor in charge of the course desired, who will, at his discretion, recommend their admission to the Secretary. Those expecting later to become candidates for a degree from this University are required *at the time of their matriculation* to satisfy the regular entrance qualifications for the course leading to the degree which they have in view. Special students are subject to all the general rules of the college concerning discipline, absences, etc.

REFUNDS

If, on account of serious illness or other sufficient reason, a student withdraws before the middle of a semester, one-half of all the fees he has paid (exclusive of the matriculation fee and fees for student activities paid through the college) will be refunded; but no refunds will be made under any other circumstances, nor will any balance from breakage deposits be refunded unless called for before June 30.

ROOMS AND BOARD

Rooms and board may be secured at reasonable rates near the University buildings. Information may be obtained at the office of Townsend Hall, and through the college department of the Young Men's and Young Women's Christian Associations.

FACILITIES FOR SELF-SUPPORT

The University encourages self-supporting students, but it cannot undertake to furnish employment. However, the fact that many of these courses are given in the afternoon makes it possible for energetic students to earn at least a portion of their expenses during the earlier hours of the day, and some of them do so. The student department of the Y. M. C. A. conducts an employment bureau, through which assistance is given to men in finding outside work.

SCHOLARSHIPS

(1, 2, 3) According to the terms of the gift by which Townsend Hall became the property of the University, three scholarships in the Arts Department are to be awarded in perpetuity to young women. These scholarships are known as (1) the Women's Educational and Industrial Union scholarship, (2) the Fiske scholarship of household arts,* and (3) the Founders' scholarship. The scholarships cover all the necessary fees as well as the cost of tuition.

(4) The Buffalo City Federation of Women's Clubs established in 1909 the first scholarship for the future Arts Department. In honor of the honorary president of the Federation, Mrs. John Miller Horton, it is known as the Katherine Pratt Horton scholarship, and became available to young women during the session of 1914-15. It is of the value of \$100.

(5) The Women's Investigating Club of Buffalo has established for young women a general University scholarship, the recipient being free to choose the department in which it may be applied. This scholarship is of the value of \$100 annually, and requests for information, as well as applications, should be addressed to the chairman of the committee, Mrs. Irene M. Servoss, 83 Claremont Avenue.

(6) The Pascal P. Pratt scholarship for men is given by Mrs. John Miller Horton in memory of her father, who was one of Buffalo's early and prominent benefactors and philanthropists, long interested in the education and welfare of young men and in the diffusion of popular education. This scholarship is of the value of \$100.

The Scholarship Committee of the Faculty reserves the right to refuse to recommend for the continuance of any scholarship those whose standings warrant such action.

Except where otherwise mentioned, the Faculty awards all scholarships, and requests for application blanks should be addressed to the Secretary.

STUDENT ACTIVITIES

The faculties of the several departments are united in their desire to encourage those student activities which make for a more complete fellowship among the students and for a greater solidarity throughout the institution as a whole.

*Until such time as work in household arts shall be established this scholarship is applied in the Department of Arts and Sciences.

Athletics are controlled by the Executive Board of the Athletic Association. This board is composed of two student representatives from each of the departments of the University, together with three faculty members chosen from the Student Activities Committee, one of whom acts as faculty treasurer, and another as faculty manager.

The membership fee in this organization is five dollars yearly, which is to be paid to the college treasurer at the time of paying the regular University fees. Upon the payment of this fee, the student receives from the Athletic Association a season ticket of admission to all University athletic events held in Buffalo.

Beside athletics, the undergraduate activities comprise a monthly magazine, "The University Bison," musical clubs, including the University band and orchestra, dramatic club, the Y. M. C. A., etc. To supervise these and any other extra-curriculum activities, there is an advisory faculty committee on student activities, composed of two instructors from each of the five departments.

COMMITTEE ON STUDENT ACTIVITIES

Medical Faculty,	Prof. Gibson, Dr. C. C. Cott (faculty treasurer of athletics)
Pharmacy Faculty,	Prof. Sy (chairman), Asst. Prof. Irons (treasurer)
Law Faculty,	Mr. Schlenker, Mr. Robertson
Dental Faculty,	Prof. McCall (secretary), Prof. Hoffman
Arts Faculty,	Mr. Park, Mr. Ralph (faculty manager of athletics)

UNIVERSITY YOUNG MEN'S CHRISTIAN ASSOCIATION

The object of the University Young Men's Christian Association is the development of an "all round" manhood. It believes in promoting fellowship among all students, and desires to make itself helpful in every way possible. To this end it seeks to assist all students in finding suitable boarding accommodations, securing employment, and to provide social gatherings of the right kind. A graduate secretary, Mr. Raymond F. Rope, is in charge.

The membership fee is nominal and the membership ticket entitles the holder to valuable privileges at the Central Young Men's Christian Association building, which is one of the finest association buildings in the world. By a special concession the rate for the use of the gymnasium and plunge is made very low to University students, in order that all may be able to secure the physical training so essential to fullest health and highest efficiency.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The purpose of the Young Women's Christian Association, through its many and varied activities, is to deepen and broaden the entire life of every young woman. The student department of the Buffalo Association carries on work in several schools and the central building offers many advantages to students. The building, located on West Mohawk Street, near Main, is equipped with a gymnasium, swimming pool, reading room, and is splendidly adapted to its purposes. Opportunities for social gatherings and other recreation are given young women from out of town. The buildings of both the Y. M. C. A. and the Y. W. C. A. are in close proximity to Townsend Hall.

Students, 1916-1917 *

FIRST YEAR

- Andre, Rose H., Buffalo.
 Aronson, Joseph, Buffalo.
 2Bagley, Thirza, Buffalo.
 Barnes, Claudia M., Buffalo.
 2Barnsdall, Karol, Buffalo.
 2Barrett, Mary R., Buffalo.
 2Bartow, Elizabeth, Buffalo.
 2Bartow, Harriet M., Buffalo.
 Bellanca, Anthony F., Buffalo.
 2Bellanca, Bessie, Buffalo.
 2Bender, Edna C., Buffalo.
 Berent, Carl E., Lancaster.
 Berger, Benjamin, Rochester.
 Blair, James C., Buffalo.
 2Blakely, Mary A., Buffalo.
 Booke, Solomon, Buffalo.
 Bower, George C., Blasdell.
 Bowlby, Thomas, Bath.
 2Brewer, Esther R., Buffalo.
 Brimmer, Karl W., Rochester.
 Brown, Mary Clare, Buffalo.
 Brundage, Owen K., Hammondsport.
 2Burns, Effie F., Buffalo.
 Camp, John D., Buffalo.
 2Campbell, Kathleen, Buffalo.
 2Campbell, Mary E., Buffalo.
 Carl, Fred G. G., Buffalo.
 2Caseman, Juvenilia, Buffalo.
 2Chittenden, Annie P., Buffalo.
 Clark, Franklin T., Niagara Falls.
 Conrad, M. Eliza, Waverly, N. Y.
 2Cook, Flora, Buffalo.
 2Croll, Justina, Buffalo.
 Crowe, John Henry, Dunkirk.
 2Cubberley, Warner I., Belmar, N. J.
 Cusick, William J., Elmira.
 Daley, William J., Buffalo.
 2Dickson, Elizabeth, Buffalo.
 2DiLucia, Beatrice L., Buffalo.
 Dodge, Lynn, Afton, N. Y.
 Doyle, Walter E., Canandaigua.
 Drown, Paul H., PHAR. B., Buffalo.
 Durshordwe, Clarence J. H., Buffalo.
 2Edwards, Miriam, Attica.
 Eichenberg, Porter W., Buffalo.
 1Evans, L. Adrienne, Hamburg.
 2Faber, A. Louise, Buffalo.
 Farruggia, Joseph V., Buffalo.
 Fay, Edward N., Buffalo.
 2Ferrand, Elsie M., Gardenville.
 2Finnegan, Margaret E., Buffalo.
 Fox, Annis E., Buffalo.
 2Franklin, Hazel, Buffalo.
 Fuchs, Louis J., Butler, N. J.
 2Fuller, Emilie G., Buffalo.
 1Garnier, Genevieve, Batavia.
 2Gibson, Mary H., Buffalo.
 2Hadsell, Susanne P., Buffalo.
 Hall, Clifford J., York, Pa.
 2Hamilton, Edith, Buffalo.
 1Harris, Marguerite E., Batavia.
 2Hartmann, Mrs. Alice S., Buffalo.
 2Hathaway, Kate B., North Tonawanda.
 2Herlihy, Ellen G., Buffalo.
 Holtan, Raymond H., Buffalo.
 2Hornberger, Crystal, Hamburg.
 Houck, Sherman J., Rush.
 Huffmire, Anthony P., Schenectady, N. Y.
 2Huntz, Laura, Buffalo.
 2Joslin, Jane E., Camden.
 Keck, Norman J., Lockport.
 2Kempke, Ida L., Buffalo.
 2Kennedy, George H., Buffalo.
 2Keogh, Mary A., Buffalo.
 Kerr, Frances Ailene, Titusville, Pa.
 2Klemer, Dora, Buffalo.
 2Koch, Amelia, Buffalo.
 2Kreinbender, Clara A., Buffalo.
 Lapp, Chauncey M., Buffalo.
 Lapp, Shirley, Buffalo.
 2Leahy, Jennie E., Buffalo.
 2Leidt, Edna J., Buffalo.
 Lewin, Thurber, Buffalo.
 Lewis, Theodora C., Buffalo.
 Linderman, Randolph S., No. Tonawanda.
 2Lipchick, Esther, Buffalo.
 2Lockner, David B., Buffalo.
 Loder, Joseph B., Rochester.
 2Lograsso, Lucia B., Angola.
 Long, Allen R., Buffalo.
 2Luskin, Israel E., M. A., Buffalo.
 2McCargar, Helen, Buffalo.
 2McCarthy, Loraine B., Buffalo.
 2McCue, Ruth, Buffalo.
 McEneny, James E., Buffalo.
 McGroder, Elmer T., Buffalo.
 2McKay, Alice, Buffalo.
 2McMahon, M. Estella, Buffalo.
 McMahon, Ralph J., Batavia.
 Mayer, Joseph R., Rochester.
 2Mead, Helena S., Buffalo.
 2Meech, Rose G., Buffalo.
 Minch, Charles R., West Falls.
 Moore, Vincent J., Buffalo.
 2Morningstar, Martha, Wainfleet, Ont.
 Moses, J. Theodore, North Tonawanda.

* As of January 1, 1917.

FIRST YEAR—*Continued*

- 2Mowat, Edith M., Buffalo.
 Myers, Willard I., Catskill, N. Y.
 2Newman, Angie, Buffalo.
 2Nichols, Mrs. Burr H., Buffalo.
 1Norton, Frances M., Byron.
 2O'Brian, Maude E., Buffalo.
 2O'Brien, Arthur B., Ellicottville.
 O'Brien, T. Edwin, Lockport.
 O'Malley, Rowland V., Barker.
 Olds, Omar, Buffalo.
 2Paolini, Giuseppe, Buffalo.
 Peters, Roberta, Buffalo.
 Petrino, Peter, Buffalo.
 Pettit, H. Leslie, Ellicottville.
 Philbin, Edward P., Buffalo.
 2Porter, Margaret B., Buffalo.
 2Pritchard, Florence E., Buffalo.
 Putney, Willis H., Forestville.
 2Reilly, Harold W., Rochester.
 Reszel, Thaddeus, Buffalo.
 2Rich, Mrs. Andrew J., Buffalo.
 2Roberts, Alma L., Buffalo.
 Rowe, Robert Rich, Buffalo.
 Rozan, Jerome F., Buffalo.
 2Rudolf, Ida J., Buffalo.
 Runfola, Gaetano, Buffalo.
 Ryan, Mark C., Buffalo.
 2Sangster, Cora S., Buffalo.
 Shaffer, Harry G., Clearfield, Pa.
 2Shepard, Nettie, Buffalo.
 2Shepherd, Gertrude, Buffalo.
 Sippel, Raymond L., Dunkirk.
 2Skiff, George E., B. A., Gainesville.
 Smith, Florence Mary, Buffalo.
 2Swift, Nellie D., Buffalo.
 2Terrasse, Bertha, Buffalo.
 2Toksvig, Gudrun R., Buffalo.
 Tronolone, Daniel R., Buffalo.
 Trudnowski, Leo J., Buffalo.
 Ulrich, Anna C., Buffalo.
 Viele, Anna, Buffalo.
 Walczak, Stephen L., Buffalo.
 Walker, Irwin M., Niagara Falls.
 Ward, Kenneth R., Buffalo.
 2Weiffenbach, Conrad, Snyder.
 Wells, Nathan, Ithaca, Mich.
 2Wetter, Emma W., Buffalo.
 Whitley, Matilda Arnold, Buffalo.
 1Whitmore, Geneva, Ridgeway, Pa.
 Williams, Ada, Buffalo.
 Wintermantel, Joseph A., Eggertsville.
 2Woods, Esther L., Buffalo.
 2Zacher, Brunhilda, Buffalo.

SECOND YEAR

- 1Adams, Clara L., Holcomb.
 2Agnew, Mary C. H., Buffalo.
 2Anderson, Wallace A., Buffalo.
 Andrus, Katherine D., Buffalo.
 2Bagley, Clara, Buffalo.
 2Ball, Vincent A., North Tonawanda.
 2Beaton, Charlotte P., Buffalo.
 1Bixby, Charlotte L., Buffalo.
 2Butler, Harriet, Buffalo.
 2Davis, Jennie C., Buffalo.
 2Davis, M. Elsie, Buffalo.
 2Dayman, Aubrey C., Buffalo.
 1Doyle, Mildred A., Buffalo.
 Elliott, Ida M., Buffalo.
 2Fleming, Walter, Buffalo.
 2Folsom, Frances L., Buffalo.
 2Gailey, John J., Buffalo.
 2Gath, Mary S., Buffalo.
 2Giesser, Rosina L., Buffalo.
 2Greene, Mrs. James W., Buffalo.
 2Grupp, Theresa M., Buffalo.
 Hines, Esther, East Aurora.
 2Jamieson, Jessie M., Buffalo.
 Kerr, Eleanor K., Lewiston.
 2Knell, Louis J., M. D., Buffalo.
 2Knell, Mrs. Louis J., Buffalo.
 2Lange, Elizabeth C., Buffalo.
 2LaTona, Louise, Buffalo.
 2Ludwig, Mary L., Buffalo.
 2Maeder, Anna M., Buffalo.
 1Malican, Agnes R., Buffalo.
 2Mendola, Frank, Ph. G., Buffalo.
 2Neal, Fannie, Buffalo.
 1Nelligan, Margaret, Buffalo.
 2Parke, Mrs. Fenton M., Buffalo.
 2Sapper, Paula, Buffalo.
 2Spinner, Lena, Buffalo.
 1Stall, Mary E., Buffalo.
 Tannenbaum, Mrs. Virginia C., Buffalo.
 1Towne, Zilpha, Buffalo.
 2Trant, Amelia Earle, M. D., Buffalo.
 1Valentine, Mildred, Buffalo.
 1Weppner, Edith, Buffalo.
 2Wheeler, Winifred A., Buffalo.
 2Wittler, Bertha G., Buffalo.

THIRD YEAR

2Geoghan, Agnes E., Buffalo.
 Gibson, Lydia M., Buffalo.
 Hartman, Teresa C., Buffalo.
 2Kimball, Anna M., Buffalo.
 2Kraft, Mrs. Daniel J., Buffalo.

2Lombard, Mrs. Flora M., Buffalo.
 2Moore, Mrs. James S., Buffalo.
 2Morgan, Mary S., Buffalo.
 2Roehsler, Theresa A., Buffalo.
 2Schorn, Clara M., Buffalo.

FOURTH YEAR

2Allen, Ruth, Buffalo.
 2Briggs, Pearl A., Buffalo.
 2Fillmore, Maconda M., Buffalo.

2Knorr, Raymond C., Buffalo.
 2Lynch, Alice, Buffalo.
 2Sommer, Mrs. Augusta, Buffalo.

1Pupil, Buffalo Kindergarten Training School.
 2Partial Course Student.

SUMMER SESSION

Blake, Frances, Fall River, Mass.
 Bullett, Ruth, Buffalo.
 Chassin, Norman, Buffalo.
 Conley, Howard, Buffalo.
 Cooper, Anna I., Buffalo.
 Costello, John F., Buffalo.
 Hadsell, Susanne P., Buffalo.
 Hamilton, A., Buffalo.
 Heeman, Marguerite, Buffalo.
 Hornung, Albert, Buffalo.
 Hornung, Arthur, Buffalo.

Klein, Samuel, Schenectady, N. Y.
 Maeder, Anna M., Buffalo.
 Marx, Ralph, Buffalo.
 Mowat, Kenneth, Buffalo.
 Muscato, George H., Silver Creek.
 Oppenheimer, Nathan, Buffalo.
 Price, Aaron E., Buffalo.
 Stanbro, Frederick E., Syracuse.
 Steinbach, Mrs. L., Buffalo.
 Tannenbaum, Mrs. Virginia C., Buffalo.
 Trimble, William, Buffalo.

Totals:	First Year,	159
	Second Year,	45
	Third Year,	10
	Fourth Year,	6
	Summer Session,	22
		<hr/>
		242
Deduct Double Registration,		3
		<hr/>
	Net Total,	239

Alumni Associations

Federated Alumni Association

Organized, University Day (February 22), 1915

OFFICERS, 1916-1917

<i>President</i>	RICHARD F. MORGAN, PHAR. D., '97 (President Pharmacy Alumni Association)
<i>Vice-President</i>	DANIEL H. SQUIRE, D. D. S., '93 (Dean, Dental Department)
<i>Secretary</i>	JULIAN PARK, B. A. (Secretary, Arts Department)
<i>Treasurer</i>	A. GLENN BARTHOLOMEW, B. A., LL. B., '04 (Of the Law Faculty)

HOUSE OF DELEGATES

<i>Medical Department:</i>	WALTER D. GREENE, M. D., '76, President Medical Alumni. THOMAS H. MCKEE, M. D., F. A. C. S., '98, Dean. LESSER KAUFFMAN, PH. B., M. D., F. A. C. P., '04, Delegate.
<i>Pharmacy Department:</i>	RICHARD F. MORGAN, PHAR. D., '97 (President), President Pharmacy Alumni. WILLIS G. GREGORY, M. D., '82, PH. G., '86, Dean. A. BERTRAM LEMON, PH. G., '13, PHAR. D., Delegate.
<i>Law Department:</i>	LORAN L. LEWIS, JR., M. A., LL. B., '89, President Law Alumni. CARLOS C. ALDEN, LL. M., J. D., Dean. A. GLENN BARTHOLOMEW, B. A., LL. B., '04 (Treasurer), Delegate.
<i>Dental Department:</i>	JAY G. ROBERTS, D. D. S., '05, President Dental Alumni. DANIEL H. SQUIRE, D. D. S., '93, Dean. DAVID T. MAIN, D. D. S., '03, Delegate.
<i>Analytical Chemistry Course:</i>	OTTO J. SCHULTES, A. C., '12, President Analytical Chemistry Alumni. WILLIS G. GREGORY, M. D., '82, PH. G., '86, Dean. WARREN H. S. GABRIEL, A. C., '14, Delegate.
<i>Department of Arts and Sciences:</i>	JULIAN PARK (Secretary).

DISTRICT BRANCH ASSOCIATIONS

ROCHESTER DISTRICT

President WILLIAM D. ELLIOTT, LL. B., '10
Secretary CLARENCE V. COSTELLO, M. D., '11

Next meeting, April 19, 1917, Rochester, N. Y.

INTERSTATE ALUMNI ASSOCIATION

(Southern New York and Pennsylvania)

President ABRAM G. HAMPLE, PH. G., '03, Elmira, N. Y.
Secretary ABRAHAM LANDE, M. D., '05, Elmira, N. Y.

Next meeting, March 29, 1917, Binghamton, N. Y.

CENTRAL AND NORTHERN NEW YORK ALUMNI ASSOCIATION

President H. MEMBURY ROBLIN, D. D. S., '08, Syracuse, N. Y.
Secretary HERBERT G. WRIGHT, PH. G., '02, Syracuse, N. Y.

Next meeting, April 5, 1917, Syracuse, N. Y.

CHAUTAUQUA DISTRICT

President HENRY J. NICHOLS, M. D., '82, Bradford, Pa.
Secretary S. J. EARLEY, D. D. S., '09, Olean, N. Y.

Next meeting, November, 1917, Olean, N. Y.

METROPOLITAN DISTRICT

(New York City)

President HERBERT A. NEWTON, D. D. S., '02, Brooklyn, N. Y.
Secretary L. W. SNOW, PH. G., '02, New York City.

Next meeting, March 30, 1917, New York City

In addition, each department of the University has its separate alumni associations.

The University of Buffalo

Offers the Following Facilities for Professional Education

MEDICAL DEPARTMENT

The 72nd regular session commences September 24, 1917, and continues thirty-four weeks.

The only medical school in a city of 450,000 population; clinical facilities at twelve hospitals and dispensaries; 12,000 volumes in library; ample number of annual hospital appointments in the city; Faculty of 107. Extensive opportunities for study in laboratories, hospital wards, and dispensaries.

For particulars, send for annual announcement to

JAMES A. GIBSON, M. D., *Secretary*,
24 High St., Buffalo, N. Y.

DEPARTMENT OF PHARMACY

This department offers three courses of instruction—Pharmacy, Analytical Chemistry, and Post-graduate, leading respectively to the degrees of Ph. G., A. C., Phar. M., and Phar. C.

The Pharmacal, Chemical, Pharmacognocal, Microscopical, and other laboratories are completely equipped for instruction.

The Post-graduate course consists of an additional year's work following the completion of the two-year Pharmacy course, and leads to the degree of Pharmaceutical Chemist or Master of Pharmacy.

The Analytical Chemistry laboratories are complete in equipment. Field work is ample, due to the various industries in and about Buffalo.

For illustrated bulletin, address

WILLIS G. GREGORY, M. D., PH. G., *Dean*,
28 High St., Buffalo, N. Y.

DEPARTMENT OF LAW

FACULTY

CARLOS C. ALDEN, LL. M., J. D., Dean and Lecturer on Elementary Law, the Law of Property and Pleading, Practice, and Equity Jurisprudence.

ADELBERT MOOT, LL. B., Lecturer on Law of Evidence.

CHARLES B. WHEELER, A. B., LL. B., LL. D., Lecturer on the Law of Corporations.

LORAN L. LEWIS, M. A., LL. B., Lecturer on the Law of Liens.

JOHN LORD O'BRIAN, A. B., LL. B., LL. D., Lecturer on the Law of Insurance.

FRED D. COREY, LL. B., Lecturer on Public Service Corporations.

ALFRED HURRELL, LL. B., Lecturer on Sales.

CLINTON T. HORTON, A. B., LL. B., Lecturer on Negotiable Instruments.

GEORGE B. BURD, LL. B., Lecturer on Constitutional Law.

Lecturers.—George D. Crofts, A. B., LL. B.; A. Glenn Bartholomew, A. B., LL. B.; Judson S. Rumsey, A. B., LL. B.; Richard H. Templeton, A. B.; Samuel J. Harris, LL. B.; Charles B. Sears, A. B., LL. B.; James W. Persons, LL. B.; William J. Magavern, LL. B.; David Ruslander, LL. B.; Ralph K. Robertson, A. B., LL. B.; Francis F. Baker, A. B., LL. B.; Edward C. Schlenker, LL. B.; Orson J. Weimert, A. B., LL. B.; John A. Hamilton, A. B., LL. B.

The course of the Law School is three years, leading to the degree of Bachelor of Laws and affords a practical training in law, fitting the student for immediate work upon graduation. The next regular session opens September 24, 1917, and closes June 7, 1918. Tuition, \$100 a year. For full particulars, address

GEORGE D. CROFTS, *Treasurer and Registrar*,

Third National Bank Building, Buffalo, N. Y.

DEPARTMENT OF DENTISTRY

The twenty-sixth regular session of this department will be held in the building erected especially for the Dental School on the University grounds, Goodrich Street, near Main Street. Every facility for the study of dentistry in all its branches has been provided, the equipment being in every respect unusually perfect. Special attention is given to practical work, the infirmary furnishing more than enough patients.

The fees of this school are about \$190 annually, including all instruction fees.

The entire schedule of college work (which in September, 1917, will be extended to four years) has been so planned that the fundamental or basal studies are completed early in the course. By this means the practical branches may be more easily and fully understood and a good reasoning power developed. The courses are thoroughly graded, each following in the simplest and most effective sequence.

Catalogue and other information will be sent on application to the dean at the college building, 25 Goodrich Street.

DANIEL H. SQUIRE, D. D. S., *Dean*.



3 0112 105606096

Publications of the University

Any of which will be sent free on application to the
proper department

UNIVERSITY OF BUFFALO BULLETIN (Department of Arts and Sciences) quarterly. January—Catalogue number; April—Announcement of courses for the next academic year; July—Reports of the Secretary, Treasurer and Librarian; September—Schedule of classes.

DEPARTMENT OF MEDICINE, Catalogue (January) and Alumni Directory.

BUFFALO COLLEGE OF PHARMACY, Bulletin (quarterly), catalogue in May.

DEPARTMENT OF LAW, Annual Announcement and Register (June).

COLLEGE OF DENTISTRY, Bulletin (quarterly), catalogue in July.

BOOKLET OF ILLUSTRATIONS.

A BRIEF HISTORY OF THE UNIVERSITY, 1846-1914.

Undergraduate Publication—"The University Bison."